CHANGE No. 2

HEADQUARTERS DEPARTMENT OF THE ARMY DEPARTMENT OF THE AIR FORCE Washington, DC, 20 March 1998

# AIRDROP OF SUPPLIES AND EQUIPMENT: RIGGING LANDING FIELD MAT

This change adds the procedures for rigging the Landing Field Mat for low-velocity airdrop.

FM 10-579/TO 13C7-50-1, 19 April 1985, is changed as follows:

- 1. New or changed material is identified by a vertical bar (1) in the margin opposite the changed material.
- 2. File this transmittal sheet in front of the publication for reference purpose.
- 3. Remove old pages and insert new pages as indicated below:

Remove old pages	Insert new pages	
Cover 1	Cover 1	
i through iii	i through iv	
1-1	1-1	
3-1 and 3-2	3-1 and 3-2	
	3-39 through 3-59	
	4-1 through 4-32	
Glossary- 1	Glossary-1	
References-1	References- 1	

**DISTRIBUTION RESTRICTION:** Approved for public release; distribution is unlimted.

By Order of the Secretary of the Army:

Official:

JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
04365

DENNIS J. REIMER General, United States Army Chief of Staff

### **DISTRIBUTION:**

Active Army, Army National Guard, and U.S. Army Reserve: To be distributed in accordance with the initial distribution number 110943, requirements for FM 10-579.

CHANGE NO. 1 HEADQUARTERS
DEPARTMENT OF THE ARMY
DEPARTMENT OF THE AIR FORCE
Washington, DC, 8 May 1996

### AIRDROP OF SUPPLIES AND EQUIPMENT

### RIGGING LANDING FIELD MAT

This change adds the procedures for rigging the rapid runway repair kit on a type V platform for low-velocity airdrop.

FM 10-579/TO 13C7-50-1, 19 April 1985, is changed as follows:

- 1. New or changed material is identified by a vertical bar in the margin opposite the changed material.
- 2. Remove old pages and insert new pages as indicated below:

Remove pages	Insert pages
i and ii	i through iii
1-1	1-1
	3-1 through 3-38
Glossary-1	Glossary-1
References-1	References-1

3. File this transmittal sheet in front of the publication for reference purposes.

DISTRIBUTION RESTRICTION. Distribution authorized to US government agencies only to protect technical or operational information from automatic dissemination under the International Exchange Program or by other means. This determination was made on 30 April 1991. Other requests for this document will be referred to AIRBORNE AND FIELD SERVICES DEPARTMENT, USA QUARTERMASTER CENTER AND SCHOOL, 1010 SHOP ROAD, FORT LEE, VA 23801-1502.

DESTRUCTION NOTICE. Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

C2, FM 10-579/TO 13C7-50-1 FM 10-579/TO 13C7-50-1 HEADQUARTERS DEPARTMENT OF THE ARMY AND DEPARTMENT OF THE AIR FORCE Washington, DC, 19 April 1985

FIELD MANUAL No. 10-579 TECHNICALORDER No. 13C7-50-1

## AIRDROP OF SUPPLIES AND EQUIPMENT: RIGGING LANDING FIELD MAT

### TABLE OF CONTENTS

		Paragraph	Page
PREFACE			iv
CHAPTER 1	INTRODUCTION		
	Description of Items	1-1	1-1
	Special Considerations	1-2	1-1
CHAPTER 2	RIGGING STEEL MAT FOR LOW-VELOCITY AIRDROP		
	Description of Load	2-1	2-1
	Preparing Platform	2-2	2-1
	Placing Honeycomb	2-3	2-3
	Placing Binding Lashings	2-4	2-3
	Placing Steel Mat	2-5	2-4
	Building and Placing Endboards	2-6	2-5
	Lashing Load	2-7	2-6
	Safetying Suspension Slings	2-8	2-6
	Stowing Cargo Parachutes	2-9	2-6
	Installing Extraction System	2-10	2-7
	Installing Release System	2-11	2-7
	Positioning Extraction Parachute	2-12	2-7
	Marking Rigged Load	2-13	2-8
	Equipment Required	2-14	2-8

<sup>■</sup> DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited. ■

CHAPTER 3	RIGGING THE RAPID RUNWAY REPAIR KIT FOR LOW-VELOCITY AIRDROP ON A TYPE V PLATFORM	Y	
Section I	RIGGING RAPID RUNWAY REPAIR KIT ON A 24-FOOT, TYPE V PI	ATFORM	
	Description of Load	3-1	3-1
	Preparing Platform	3-2	3-1
	Building and Positioning Honeycomb Stacks	3-3	3-3
	Building Repair Kit Containers	3-4	3-6
	Positioning Repair Kits in Containers	3-5	3-9
	Securing and Positioning Containers	3-6	3-10
	Building, Positioning, and Securing Front and Rear Endboards	3-7	3-11
	Installing Lashings	3-8	3-16
	Installing Suspension Slings	3-9	3-22
	Safetying Suspension Slings	3-10	3-25
	Building, Positioning and Securing Parachute Stowage Platform	3-11	3-26
	Stowing Cargo Parachutes	3-12	3-30
	Installing Release System	3-13	3-31
	Installing Extraction System	3-14	3-32
	Installing Provisions for Emergency Restraints	3-15	3-34
	Placing Cargo Extraction Parachute	3-16	3-34
	Marking Rigged Load	3-17	3-34
	Equipment Required	3-18	3-34
Section II	RIGGING THE RAPID RUNWAY REPAIR KIT ON A 20-FOOT, TYPE		ORM 3-39
	Description of Load	3-19	3-39
	Preparing Platform  Puilding and Positioning Honorcomb Stacks and Secure Load	3-20 3-21	3-41
	Building and Positioning Honeycomb Stacks and Secure Load Building, Positioning, and Securing Front and Rear Endboards	3-21	3-47
		3-22	3-49
	Installing Lashings Installing Suspension Slings and Deadman's Tie	3-23	3-52
	Stowing Cargo Parachutes	3-24	3-53
	Installing Release System	3-26	3-54
	Installing Extraction System	3-20	3-55
	Installing Provisions for Emergency Restraints	3-28	3-57
	Placing Cargo Extraction Parachute	3-29	3-57
	Marking Rigged Load	3-30	3-57
	Equipment Required	3-31	3-57
CHAPTER 4	RIGGING THE RAPID RUNWAY REPAIR (RRR) KIT-ALPHA ON A TYPE V PLATFORM FOR LOW-VELOCITY AIRDROP	32-ГООТ,	
		4-1	4.1
	Description of Load	4-2	4-1 4-1
	Preparing Platform	4-3	4-1
	Building and Placing Honeycomb Stacks Lifting and Positioning Folded Fiberglass Mat Rapid Runway Repair		
	(RRR) Kit	4-4	4-5
	Building, Positioning, and Securing Front and Rear Endboards	4-5	4-9
	Installing Lashings	4-6	4-10
	Rigging Accompanying Load	4-7	4-16

Paragraph

Page

		Paragraph	Page
	Installing and Safetying Suspension Slings	4-8	4-23
	Stowing Cargo Parachutes	4-9	4-24
	Installing Release System	4-10	4-26
	Installing Extraction System	4-11	4-27
	Installing Provisions for Emergency Restraints	4-12	4-29
	Placing Cargo Extraction Parachute	4-13	4-29
	Marking Rigged Load	4-14	4-29
	Equipment Required	4-15	4-29
GLOSSARY	Affine a transmission of the property of the p		Glossary-1
REFERENCES			References-1

### PREFACE

### SCOPE

This manual tells and shows how to prepare and rig the steel landing field mat and how to rig the rapid runway repair kits for low-velocity airdrop from C-130, C-141, C-5, and C-17 aircrafts. It is designed to be used by all parachute riggers.

#### USER INFORMATION

The proponent of this publication is HQ TRADOC. You are encouraged to report any errors or omissions and to suggest ways to make this a better manual. Army personnel, send comments on DA Form 2028 directly to:

Director Aerial Delivery and Field Services Department USA Quartermaster Center and School 1010 Shop Road Fort Lee, Virginia 23801-1502

Air Force personnel, send your reports on AFTO Form 22 through:

Headquarters Air Mobility Command (AMC/DOKT) 402 Scott Drive, Unit 3AI Scott AFB, Illinois 62225-5302

Air Force personnel in Special Operations Command, send your reports on AFTO Form 22 through:

HQ AFSOC/DOXT 100 Bartley St., Suite 260 Hurlburt Field, Florida 32544-5273

to:

Director Aerial Delivery and Field Services Department USA Quartermaster Center and School 1010 Shop Road Fort Lee, Virginia 23801-1502

Also send information copy of AFTO Form 22 to:

HQ SA-ALC/TILDP 485 Quentin Roosevelt Road Kelly AFB, Texas 78241-6421

Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.